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SANDERS, STEPHEN

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary****Application No.**

10/525,260

**Applicant(s)**

BLAIR, CHRISTOPHER DOUGLAS

**Examiner**

STEPHEN SANDERS

**Art Unit**

4133

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 February 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/CIS-100)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_
- Paper No(s)/Mail Date Apr. 11, 2007

### **DETAILED ACTION**

This is in response to Application/Control Number: 10/525,260 filed February 22, 2005 in which claims 1-22 are presented for examination.

#### **Status of Claims:**

Claims 1-22 are pending, of which claims 1, 13, and 17 are in independent form, and claims 15-16 cancelled. Claims 1-14 and 17-22 are rejected under 35 U.S.C. 102(b).

#### ***Claim Objections***

1. Claims 2-12 recite the limitation "A method..." in referring to independent claim 1, in their first lines. The "method" recited in claim 1 is the antecedent basis for the "methods" of claims 2-12, therefore, claims 2-12 should begin with "The method...".
2. Claim 14 recites the limitation "A system..." in referring to independent claim 13, in their first lines. The "system" recited in claim 13 is the antecedent basis for the "system" of claim 14, therefore, claim 14 should begin with "The system...".

#### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-14 and 17-22 rejected under 35 U.S.C. 102(b) as being anticipated by Van Oorshot et al U.S. Patent Number 6,229,894; Date of Patent: May 8, 2001 hereinafter Van Oorshot.

As to claim 1, the following is taught: "a method for use in the monitoring (column 2, lines 4-10 indicate the needs of the law enforcement agencies in the monitoring of communications) of communications traffic, comprising the step of recording the traffic and storing the recorded traffic as encrypted data (Figure 1, and its description starting in column 3, line 15 discloses the encrypting, recording, and storing of communications data as well as a decryption key required for its decoding) such that the data can be decrypted only by means of keys that exhibit restricted availability (column 4 line 59 to column 5, line 5)."

As to claim 2, the following is taught: "a method as claimed in claim 1 further including employment of a spare disk and/or CPU capacity within a telecommunications system (column 7, lines 17-30)."

As to claim 3, the following is taught: "a method as claimed in claim 1 further including the step of including encrypted search conditions within the decryption keys that are made selectively available (column 7, lines 43-61)."

As to claim 4, the following is taught: "a method as claimed in claim 1, further including the step of employing separate levels of authorization for access to the stored data (column 3, lines 1-8; column 7, lines 31-42)."

As to claim 5, the following is taught: "a method as claimed in claim 1, further including the step of employing a decryption key that is useable only once (column 7, line 55-57; column 8, lines 21-39, and lines 45-51)."

As to claim 6, the following is taught: "a method as claimed in claim 1, further including the step of logging (Abstract, column 1, lines 60-67 discloses identity authentication of requestor) all accesses to the stored data to an encrypted secure audit trail (column 3, line 57 to column 4, line 5; column 5, lines 56-65)."

As to claim 7, the following is taught: "a method as claimed in claim 1, further including a tamper detection reference within the encrypted data (column 4, lines 23-67)."

As to claim 8, the following is taught: "a method as claimed in claim 1, further including the step of monitoring all the available communications traffic (column 2, lines 4-14, disclose the problem for law enforcement agencies to obtain wire-tap information; column 10, lines 43-52 disclose the legal capability of

law enforcement agencies to monitor and record unlimited information for its lawful and potential future scrutiny).”

As to claim 9, the following is taught: “a method as claimed in claim 8, wherein the step of storing the recorded traffic comprises the step of recording all of the recorded traffic (column 2, lines 4-14, disclose the problem for law enforcement agencies to obtain wire-tap information; column 10, lines 43-52 disclose the legal capability of law enforcement agencies to monitor and record unlimited information for its lawful and potential future scrutiny).”

As to claim 10, the following is taught: “a method as claimed in claim 1, wherein the communications traffic to be recorded comprises traffic through a telecommunications switch, router or gateway (column 3, lines 15-32; column 3, lines 16-39).”

As to claim 11, the following is taught: “a method as claimed in claim 1, further including the step of encrypting details relating to the communications traffic and storing the said encrypted details for subsequent access (Figure 2, and column 5, line 28 to column 8, line 6).”

As to claim 12, the following is taught: "a method as claimed in claim 1, further including the step of authorizing use of the required decryption key in a restricted manner (Figure 3, and column 8, lines 7-59)."

As to claim 13, the following is taught: "a system for use in the monitoring of communications traffic, comprising in combination:"

"a recorder that records the traffic (see server 16, processing device 90, memory 92 of Figure 2, and column 7, lines 17-27), and"

"a storage device that stores the recorded traffic as encrypted data, such that the recorded data can be decrypted only by means of keys that exhibit restricted availability (see secure storage of users' decryption private keys of server 16 in Figure 2, and column 7, lines 27-30; and directory 68 (a database) of Figure 2, and column 6, lines 50-54)."

As to claim 14, the following is taught: "a system as claimed in claim 13 further including application software and executes the method steps of any one or more of claims 2-12 (See Van Oorshot's teachings above with regards to claim 13, and specifically with regards to claims 2-12)"

As to claim 15: (cancelled).

As to claim 16: (cancelled).

As to claim 17, the following is taught: "a method for use in the monitoring of communications traffic, comprising the steps of:"

"recording the traffic (see server 16, processing device 90, memory 92 of Figure 2, and column 7, lines 17-27); "

"storing the recorded traffic as encrypted data such that the data can be decrypted by decryption keys that exhibit restricted availability, that allow encrypted search conditions and that employs separate levels of authorization for access to the stored data (see secure storage of users' decryption private keys of server 16 in Figure 2, and column 7, lines 27-30; and directory 68 (a database) of Figure 2, and column 6, lines 50-54); and"

"encrypting details relating to the communications traffic and storing the said encrypted details for subsequent access (see sending end-user 18, and end-user encryption certificate of end-user 60, 62, 64 in Figure 2, and column 5, lines 39-55)."

As to claim 18, the following is taught: "the method as claimed in claim 17, further including the step of employing a decryption key that is useable only once (column 8, lines 21-39)."

As to claim 19, the following is taught: "the method as claimed in claim 17, further including the step of logging (Abstract, column 1, lines 60-67 discloses



identity authentication of requestor) all accesses to the stored data to an encrypted secure audit trail (column 3, line 57 to column 4, line 5; column 5, lines 56-65)."

As to claim 20, the following is taught: "the method as claimed in claim 17, further including a tamper detection reference within the encrypted data (column 4, lines 23-67)."

As to claim 21, the following is taught: "the method as claimed in claim 17, further including the step of monitoring all the available communications traffic (column 2, lines 4-14, disclose the problem for law enforcement agencies to obtain wire-tap information; column 10, lines 43-52 disclose the legal capability of law enforcement agencies to monitor and record unlimited information for its lawful and potential future scrutiny)."

As to claim 22, the following is taught: "the method as claimed in claim 17, wherein the step of storing the recorded traffic comprises the step of recording all of the recorded traffic (column 2, lines 4-14, disclose the problem for law enforcement agencies to obtain wire-tap information; column 10, lines 43-52 disclose the legal capability of law enforcement agencies to monitor and record unlimited information for its lawful and potential future scrutiny)."

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lenstra et al, U.S. Patent Number 5,633,928 Date of Patent: May 27, 1997; Bentley et al, U.S. Patent Number 5,914,951 Date of Patent: June 22, 1999; Kim et al, U.S. Patent Number 5,930,335 Date of Patent: July 27, 1999; Aldenhuijsen et al U.S. Patent Number 6,347,373 Date of Patent: Feb. 12, 2002; and Gundlach et al, U.S. Patent 6,418,208 Date of Patent: July 9, 2002.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to STEPHEN SANDERS whose telephone number is (571)270-5308. The examiner can normally be reached on M - F; 7:30a.m. - 5:00p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frantz Coby can be reached on 571-272-4017. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Stephen Sanders/

/Examiner, Art Unit 4133/

/Frantz Coby/  
Supervisory Patent Examiner  
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